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Listing of Claims

- 1-2. (Canceled)
3. (Currently amended) The process of Claim 4-33 wherein the second polymer melt obtained from step (1) is gel-free and homogeneous.
- 4-9. (Canceled)
10. (Currently amended) The process of Claim 4-33 wherein the first thermoplastic polymer is a copolymer of ethylene and an alpha, beta-unsaturated carboxylic acid.
11. (Currently amended) The process of Claim 4-33 wherein the first thermoplastic polymer is an ionomer that is a derivative of a copolymer of ethylene and an alpha, beta-unsaturated carboxylic acid.
12. (Previously presented) The process of Claim 11 wherein in step (4), the parison is pinched off by a dual pinching means and the pinched point is flat or tapered at least slightly toward the inner cavity of the blow molded structure.
- 13-28. (Canceled)
29. (Currently amended) The process of claim 4-33, wherein the inner surface of the mold comprises surface imperfections.
- 30-32. (Canceled)
33. (Currently amended) The An extrusion blow molding process for manufacturing a multilayer container having a glossy transparent outer layer of a first thermoplastic polymer that is transparent in the solid state and an inner layer of a second thermoplastic polymer, said process comprising the steps of:
- (1) heating and co-extruding the first and second thermoplastic polymers to obtain a first and second polymer melt, respectively, wherein at least the first polymer melt is gel-free and homogeneous;
- (2) passing the co-extruded polymer melts through a blow molding die to form a multilayer parison having (a) an outer layer formed of the first polymer melt, (b) an inner layer formed of the second polymer melt, said inner layer being directly bonded to the outer layer, and (c) an inner cavity;

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- (3) depositing the parison into an open mold;
- (4) closing the mold and pinching off the parison at one end in a manner such that the outer layer of the parison is continuous at the pinched point;
- (5) obtaining the multilayer container by, while maintaining the mold at a temperature of less than 20°C, discharging a cold gas at a temperature of less than about 5°C and under pressure into the inner cavity of the parison using a of claim 32, wherein the blow-pin until a blow molded article is formed within the mold, wherein the blow pin has a nozzle that fits into the parison cavity and is covered by a cooling jacket that covers over at least 95% of the blow-pin surface, not inclusive of the nozzle, wherein (i) the first thermoplastic polymer is a polymer selected from the group consisting of copolymers of ethylene and alpha, beta-unsaturated carboxylic acids and derivatives of copolymers of ethylene and alpha, beta-unsaturated carboxylic acids; (ii) the second thermoplastic polymer is a polyolefin; and (iii) the thickness of the outer layer of the multilayer container is about 1.0 mm to about 5 mm.

34. (Previously presented) The process of claim 33, wherein the blow-pin further comprises a channel which is cut into the nozzle, thereby further providing the means for allowing the escape of gas from the inside of the blow molded structure.

35. (Previously presented) The process of claim 33, wherein the nozzle of the blow-pin has a rough surface, thereby further providing the means for allowing the escape of gas from the inside of the blow molded structure.

36. (Canceled)

37. (Currently amended) The process of Claim 4-33 wherein the second thermoplastic polymer is a polyolefin selected from the group consisting of: polyethylenes, polypropylenes and mixtures thereof.

38-41. (Canceled)

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42. (Currently amended) The process of Claim ~~4~~33 wherein the first thermoplastic polymer is an ionomer obtained from neutralization of an ethylene/(meth)acrylic acid copolymers.

43. (Currently amended) The process of Claim ~~4~~33 wherein the thickness of the outer layer is about 1.5 mm to about 3.5 mm.

44. (Currently amended) The process of Claim ~~4~~33 wherein the thickness of the outer layer is about 2.0 mm to about 3.0 mm.

45. (Currently amended) The process of Claim ~~4~~33 wherein the cold gas is selected from the group consisting of air, helium, neon, argon; ~~or~~ and mixtures of any of these gases.

46. (Currently amended) The process of Claim ~~4~~33 wherein the cold gas is air.

47-54. (Canceled)